North American Numbering Council (NANC) Inter-Service Provider LNP Operations Flows

- NOTE: For a more detailed description of each process step within these flows, please refer to the accompanying Inter-Service Provider LNP Operations Flows Narratives (Version 3.0)

- NOTE:

  Pursuant to FCC Order 07-188, released on November 8, 2007, Local Number Portability (LNP) obligations are extended to interconnected Voice over Internet Protocol (VoIP) providers. The North American Numbering Council (NANC) identifies three classes of interconnected VoIP providers, defined as follows:

  Class 1: A standalone interconnected VoIP provider that obtains numbering resources directly from the North American Numbering Plan Administrator (NANPA) and the Pooling Administrator (PA) and connects directly to the PSTN (i.e., not through a PSTN LEC partner's end office switch). Class 1 standalone interconnected VoIP providers must follow the Main Flows for the LNP provisioning process, serving as the New Network Service Provider (NNSP) or Old Network Service Provider (ONSP), whichever is applicable.

  Class 2: An interconnected VoIP provider that partners with a facilities-based Public Switched Telephone Network (PSTN) Local Exchange Carrier (LEC) to obtain numbering resources and connectivity to the PSTN via the LEC partner's end office switch. Although a Class 2 interconnected VoIP provider is not considered a reseller in the context of the FCC definition of a Simple Port (refer to FCC Order 07-188 for Simple Port definition), Class 2 interconnected VoIP providers must follow the Reseller Flows for the LNP provisioning process, serving as the New Local Service Provider (NLSP) or Old Local Service Provider (OLSP), whichever is applicable.

  Class 3: A non-facilities-based reseller of interconnected VoIP services that utilizes the numbering resources and facilities of another interconnected VoIP provider (analogous to the "traditional" PSTN reseller). Although a Class 3 interconnected VoIP provider is not considered a reseller in the context of the FCC definition of a Simple Port (refer to FCC Order 07-188 for Simple Port definition), Class 3 interconnected VoIP providers must follow the Reseller Flows for the LNP provisioning process, serving as the New Local Service Provider (NLSP) or Old Local Service Provider (OLSP), whichever is applicable.

Inter- Service Provider LNP Operations Flows

- Main Flow -

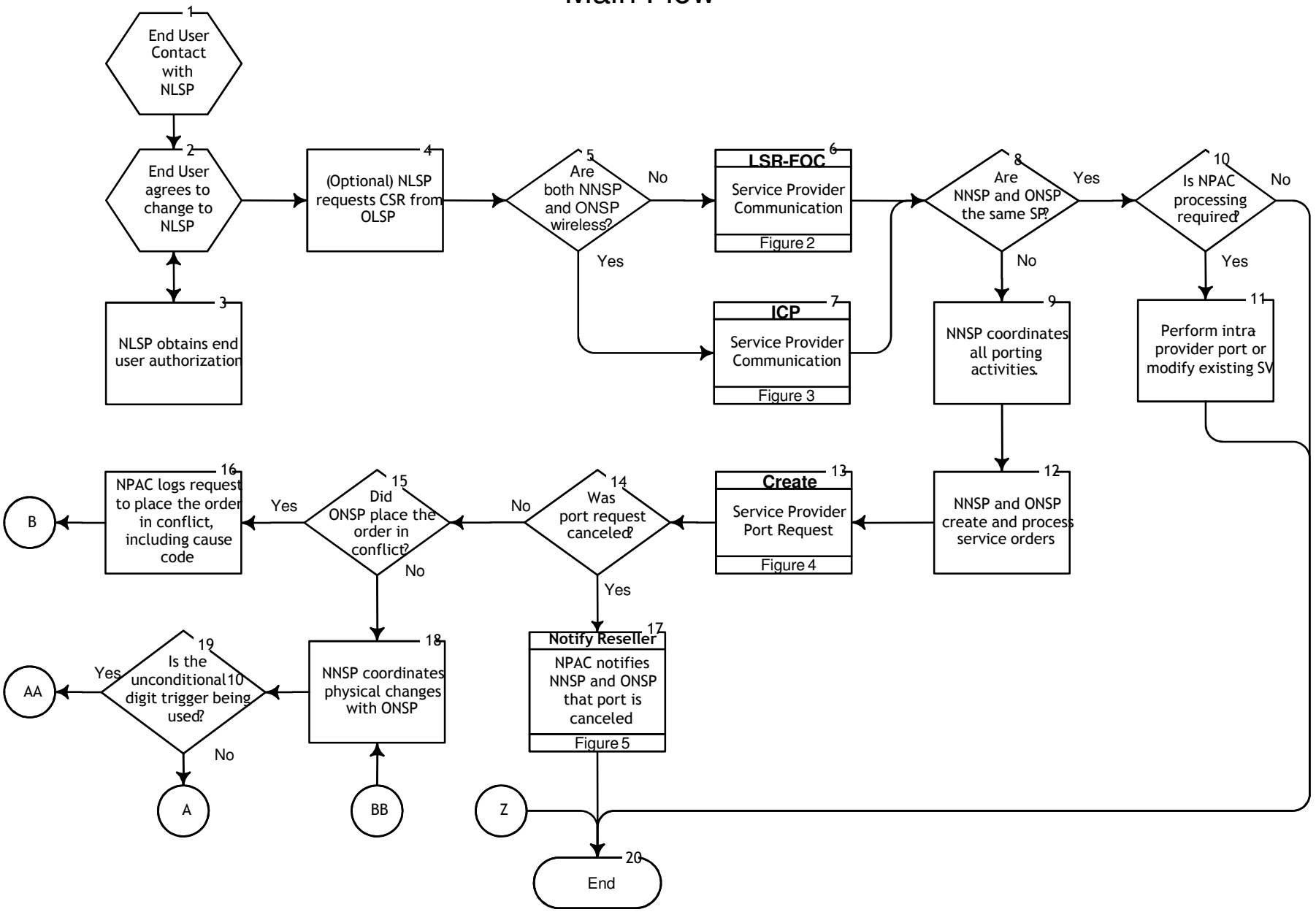


Figure 1

Version 3.0

Inter- Service Provider LNP Operations Flows

- Wireline LSR/ FOC Process -

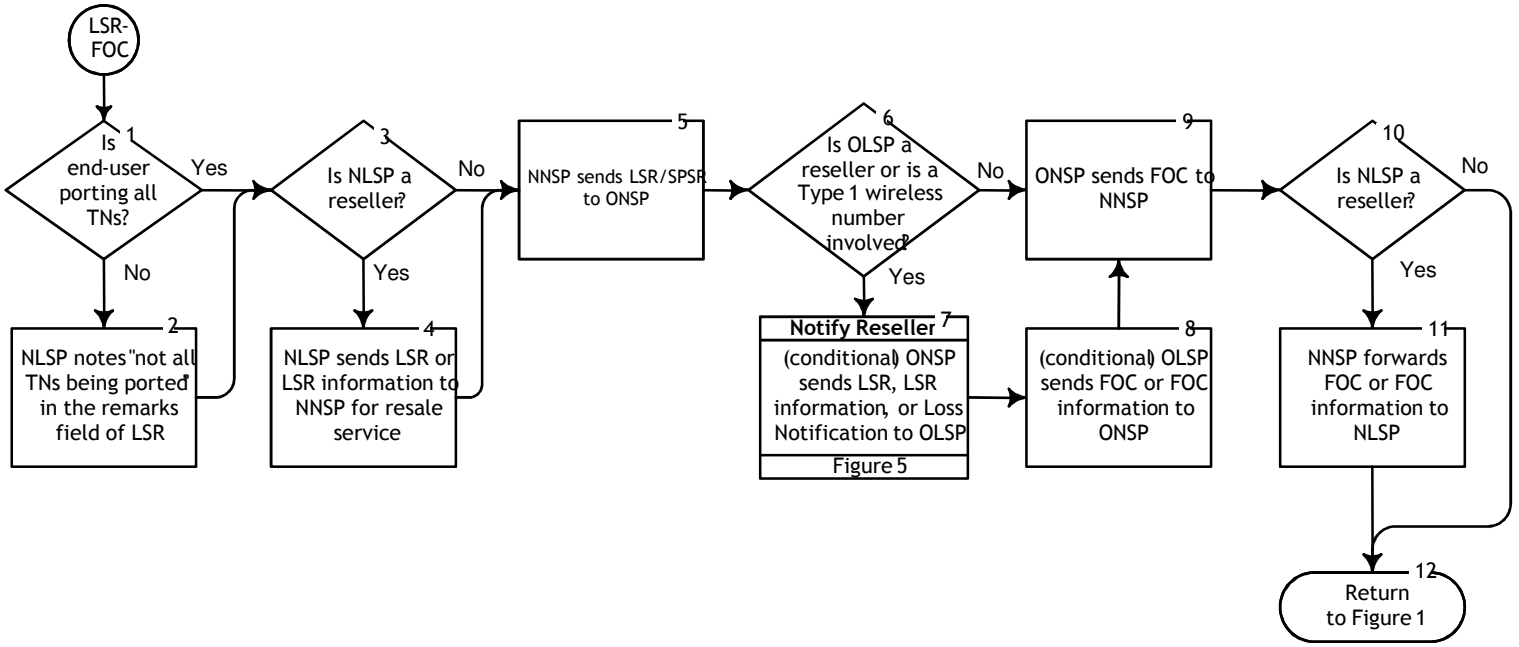


Figure 2

Inter- Service Provider LNP Operations Flows

- Wireless ICP Process -

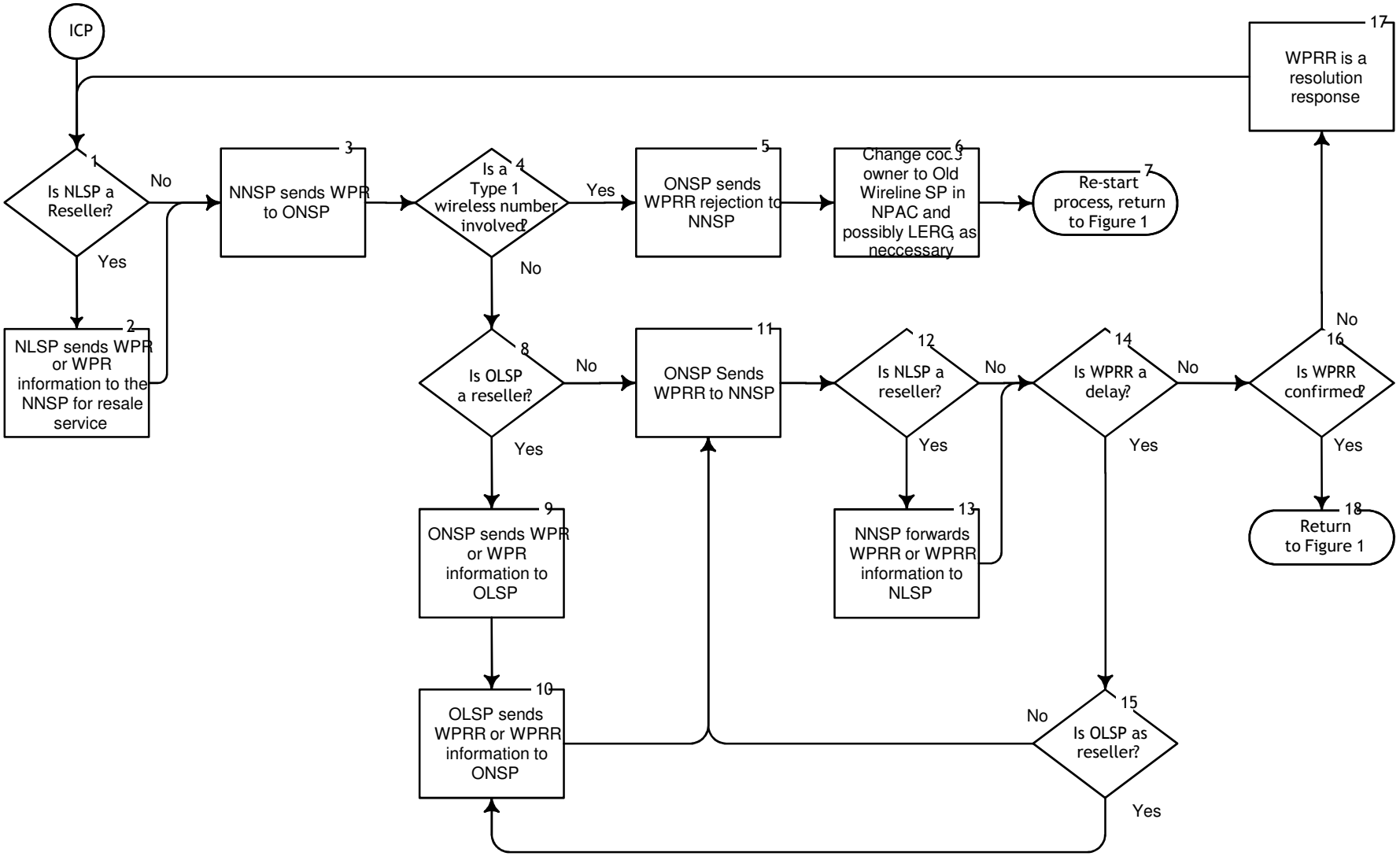


Figure 3

Version 3.0

Inter-Service Provider LNP Operations Flows

- Subscription Version Create Flow -

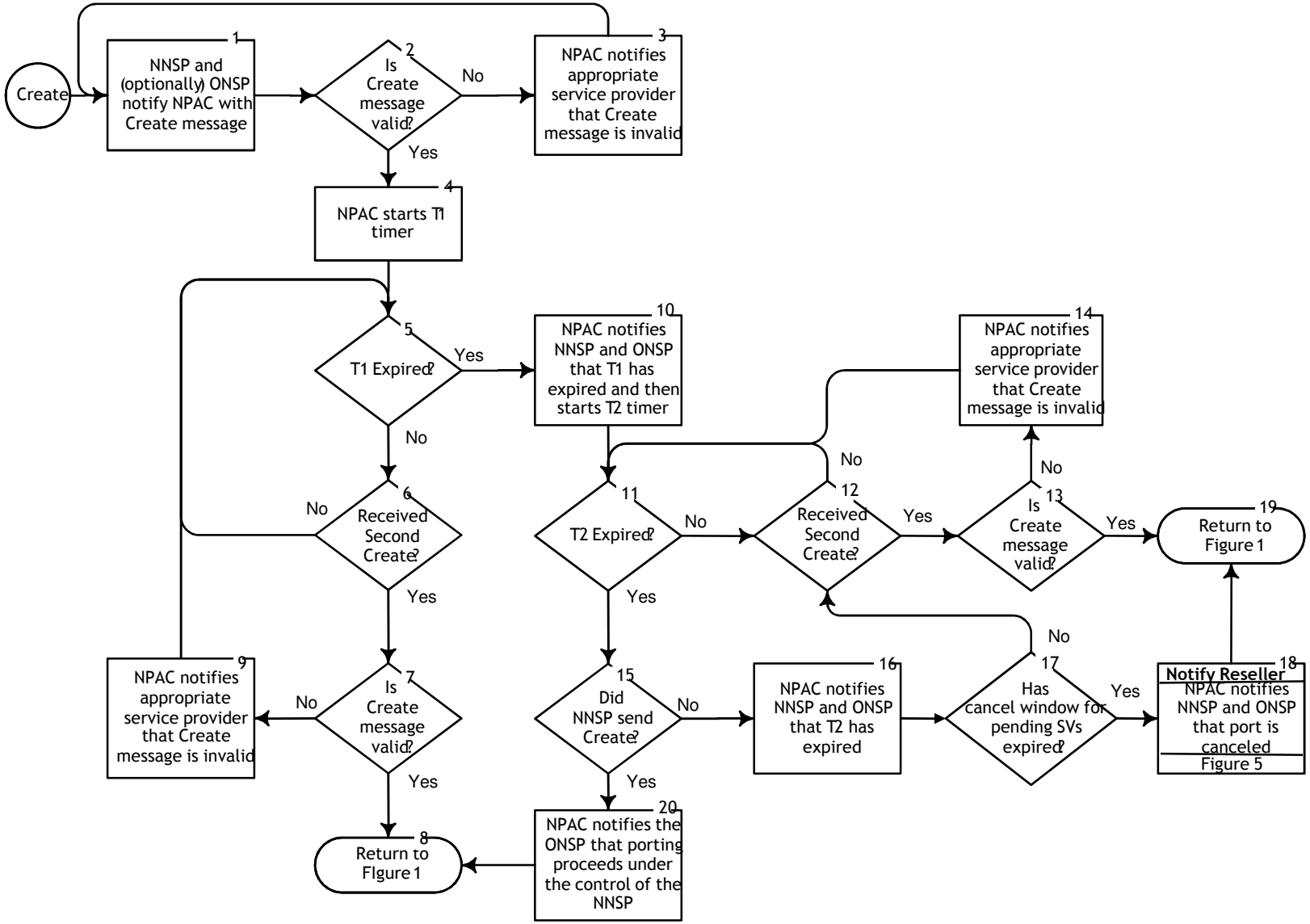


Figure 4

Inter- Service Provider LNP Operations Flows

- Reseller Notification -

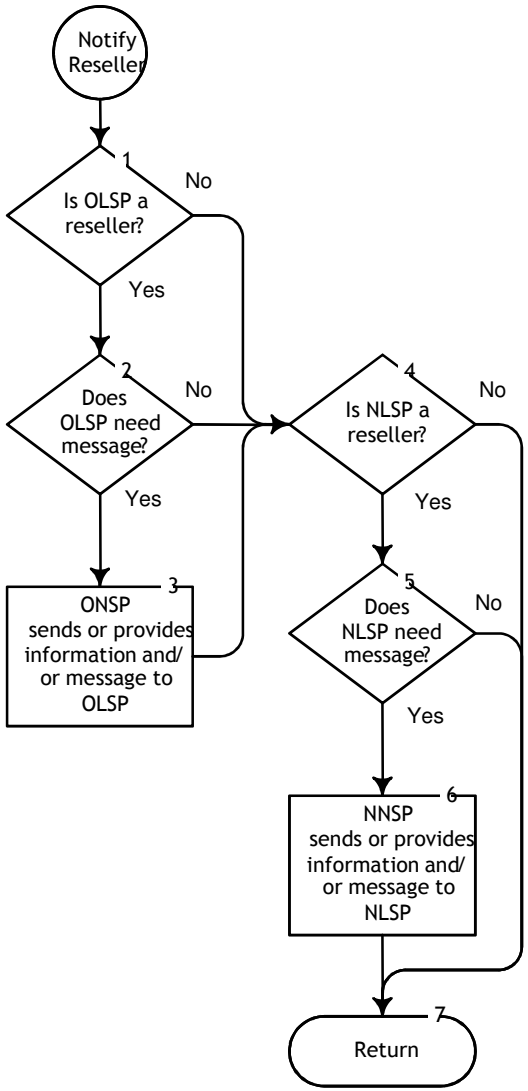


Figure 5

Inter- Service Provider LNP Operations Flows

- Provisioning Without Unconditional10- Digit Trigger -

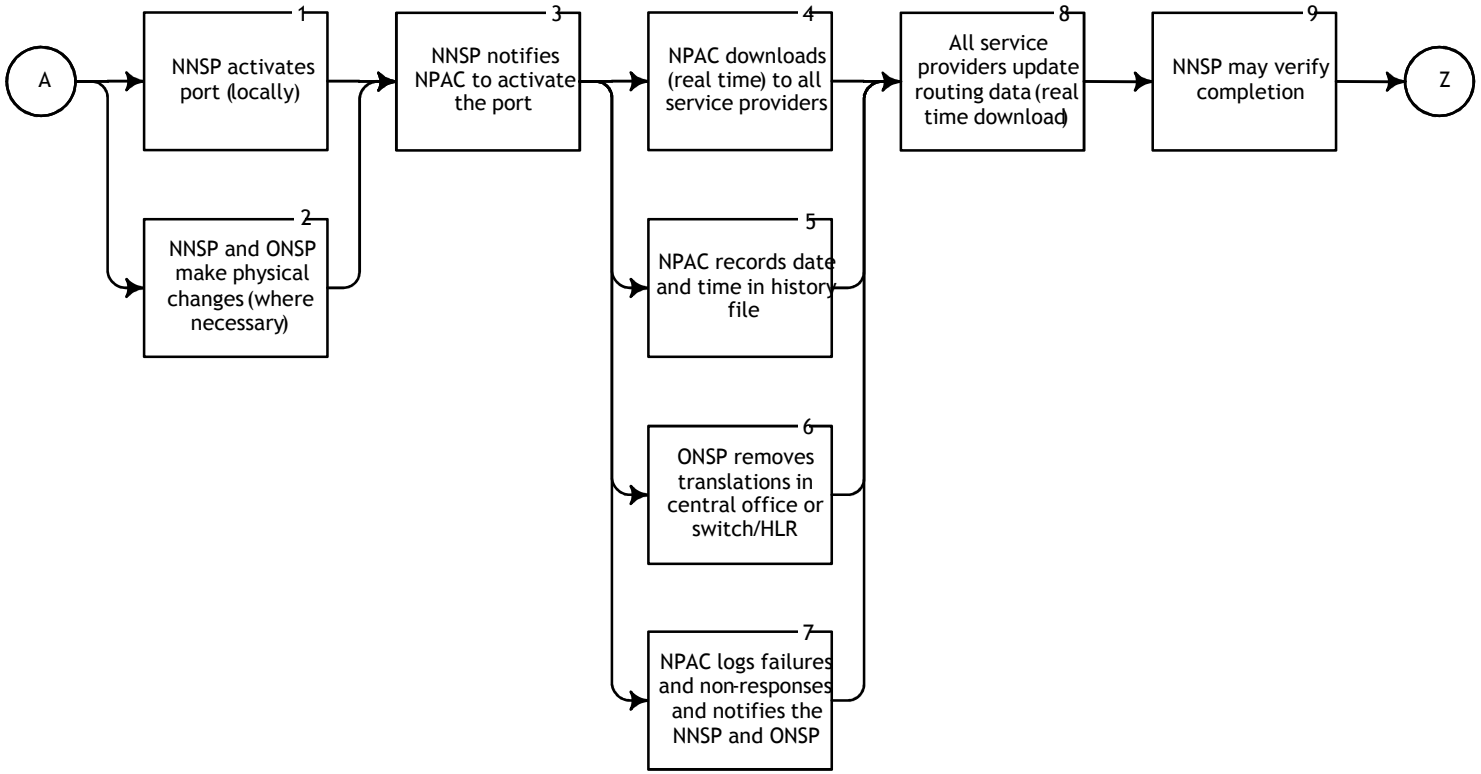


Figure 6

Inter-Service Provider LNP Operations Flows

- Provisioning With Unconditional 10-Digit Trigger -

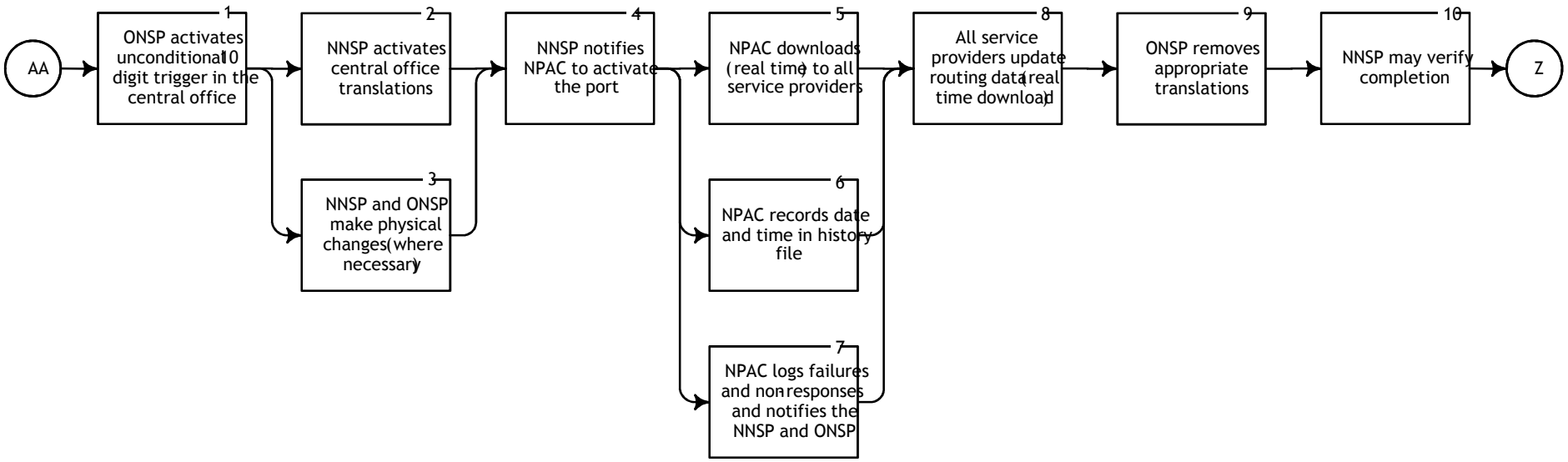


Figure 7

Inter-Service Provider LNP Operations Flows

- Conflict Flow For The Service Creation Provisioning Process -

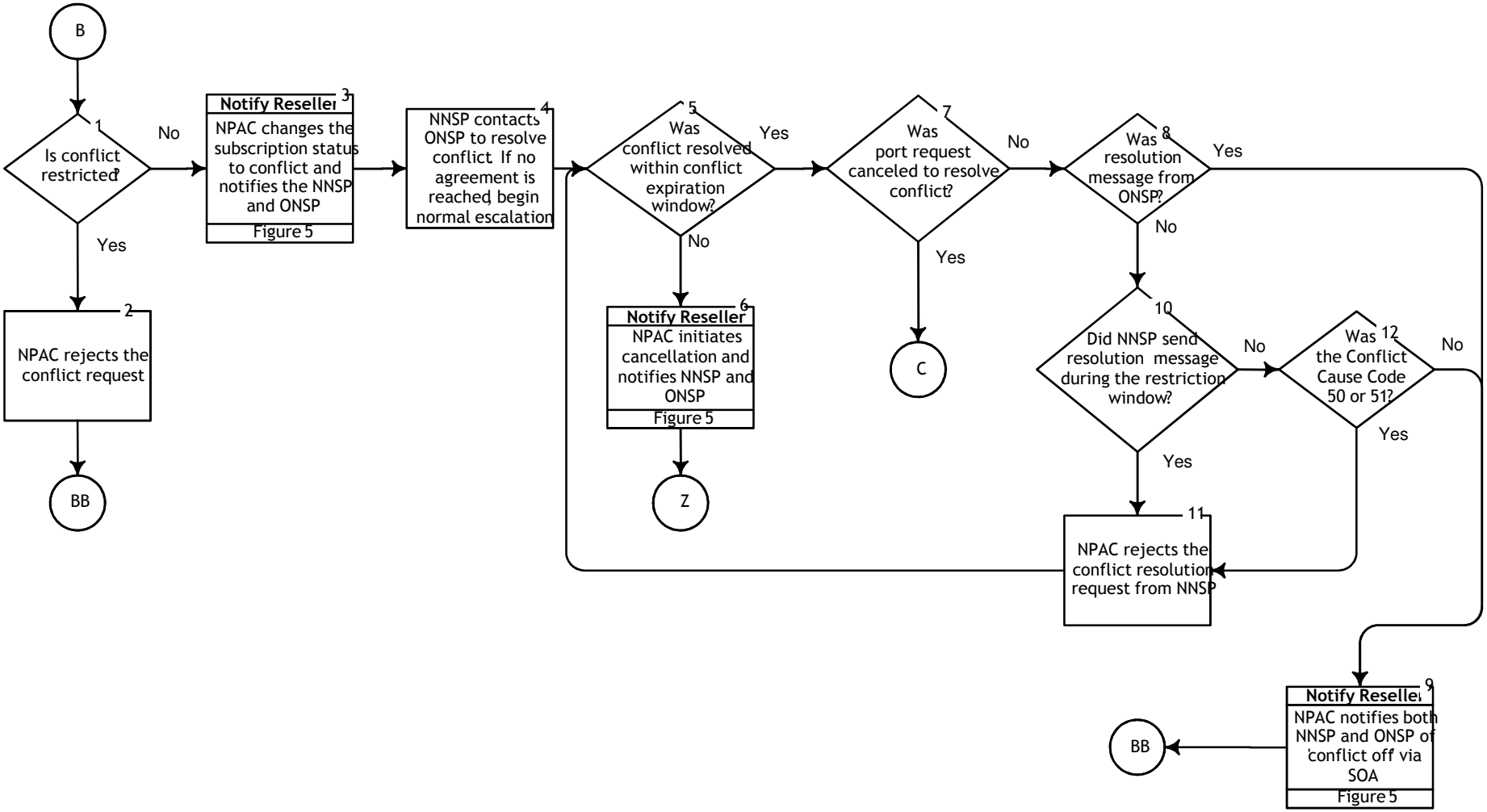


Figure 8

Version 3.0

Inter-Service Provider LNP Operations Flows

- Cancellation Flow For Provisioning Process -

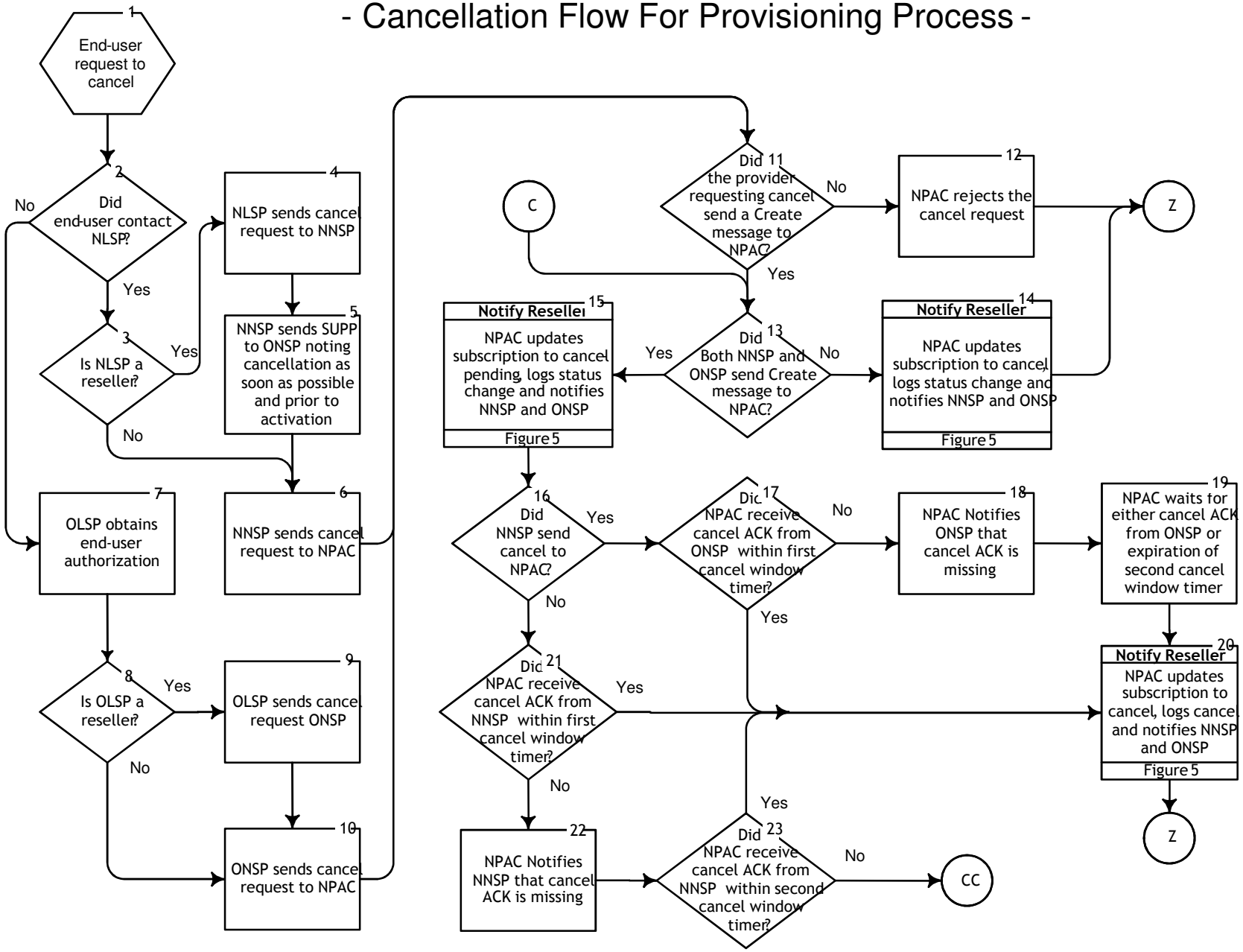


Figure 9

Version 3.0

Inter- Service Provider LNP Operations Flows

- Cancellation Ack Missing from New Provider Provisioning Process

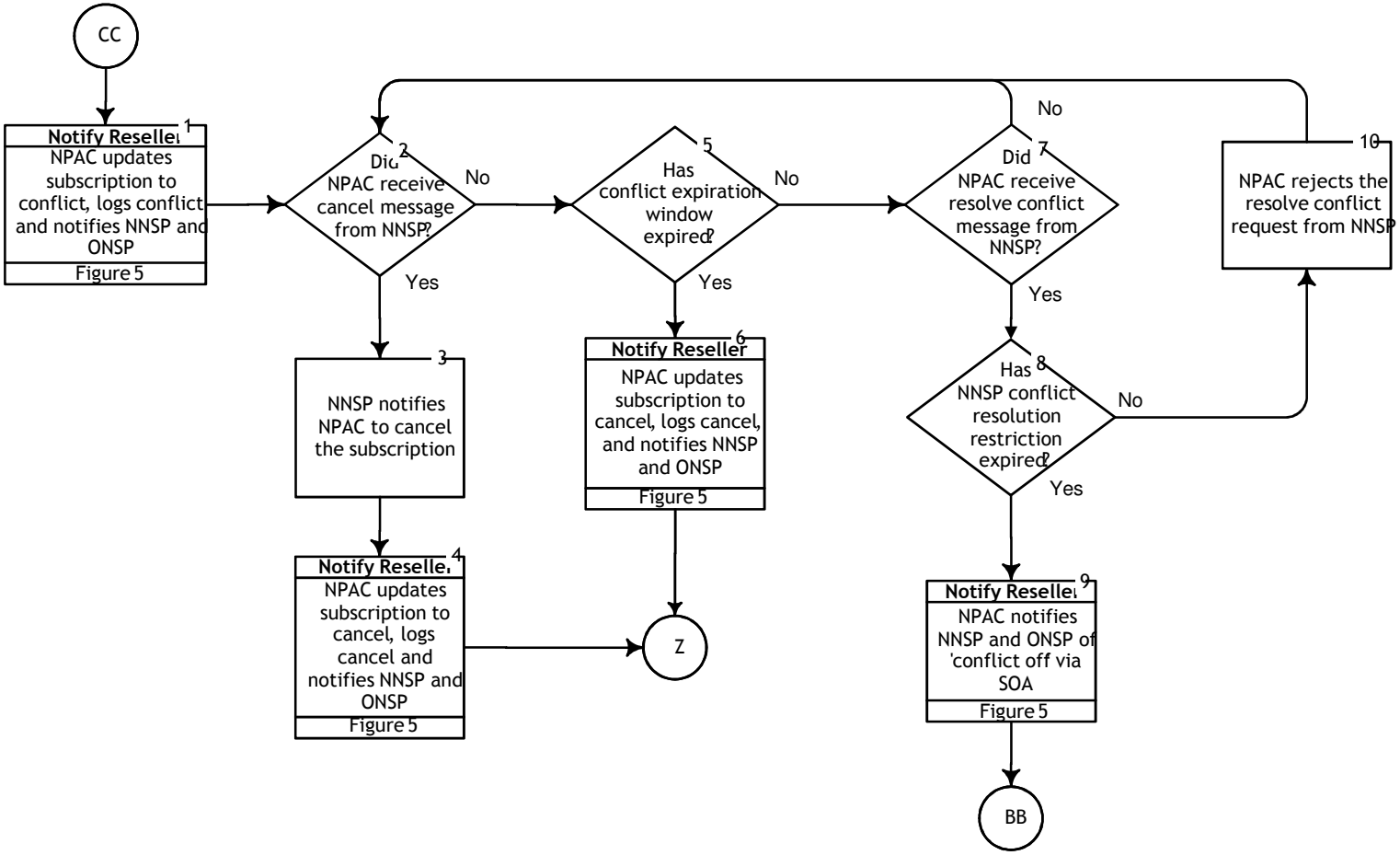


Figure 10

Inter- Service Provider LNP Operations Flows

- Disconnect Process For Ported Telephone Numbers-

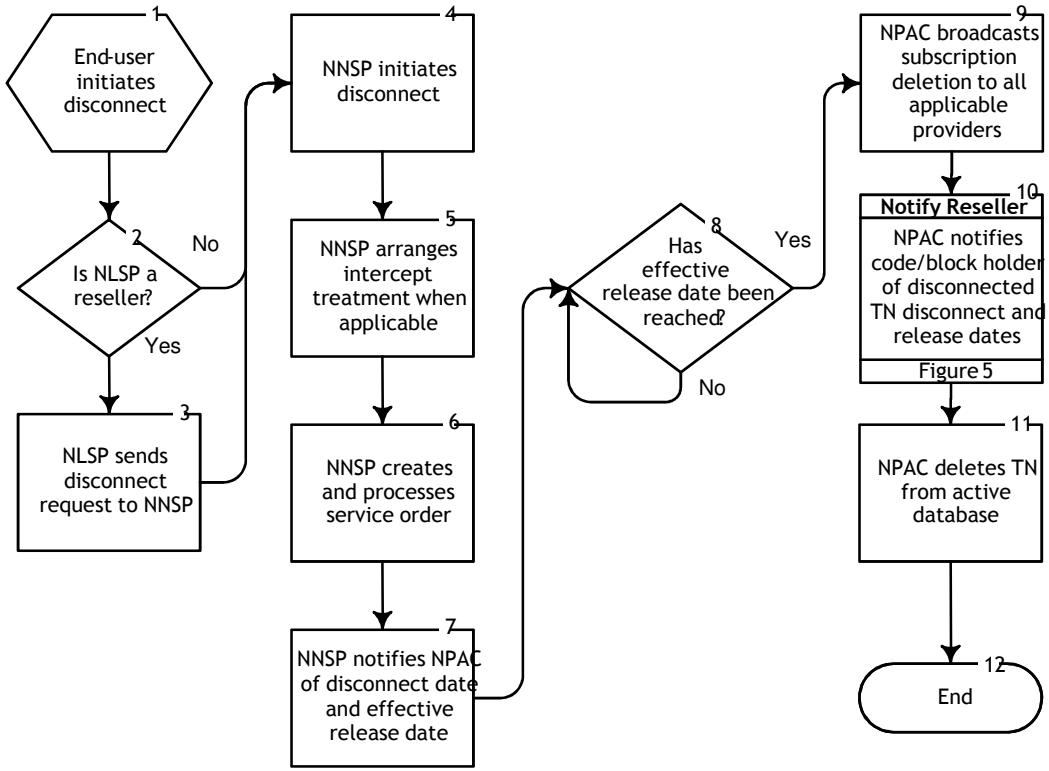
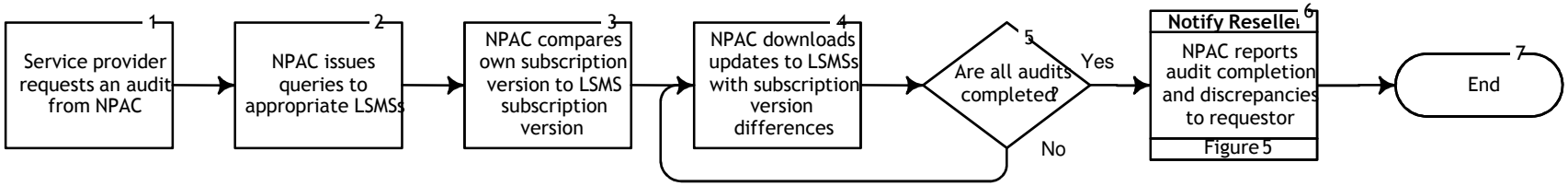


Figure 11

Inter-Service Provider LNP Operations Flows

- Audit Process -



Inter-Service Provider LNP Operations Flows

- Code Opening Process -

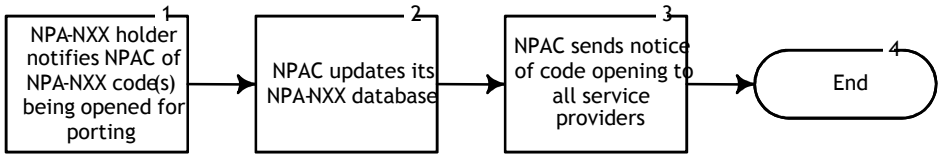


Figure 13

- First TN Ported in NPA-NXX -

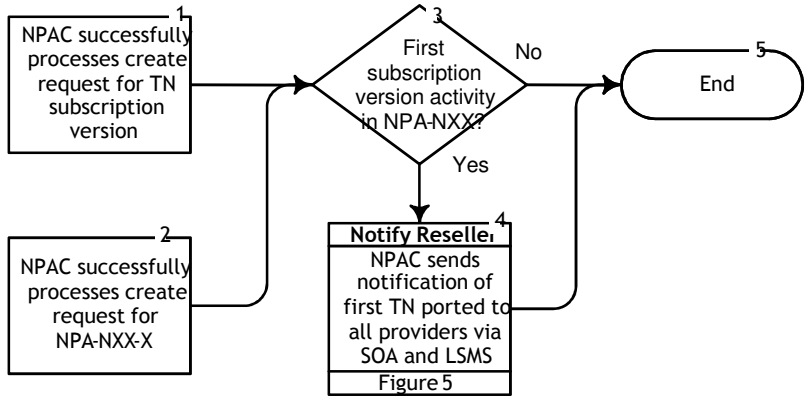
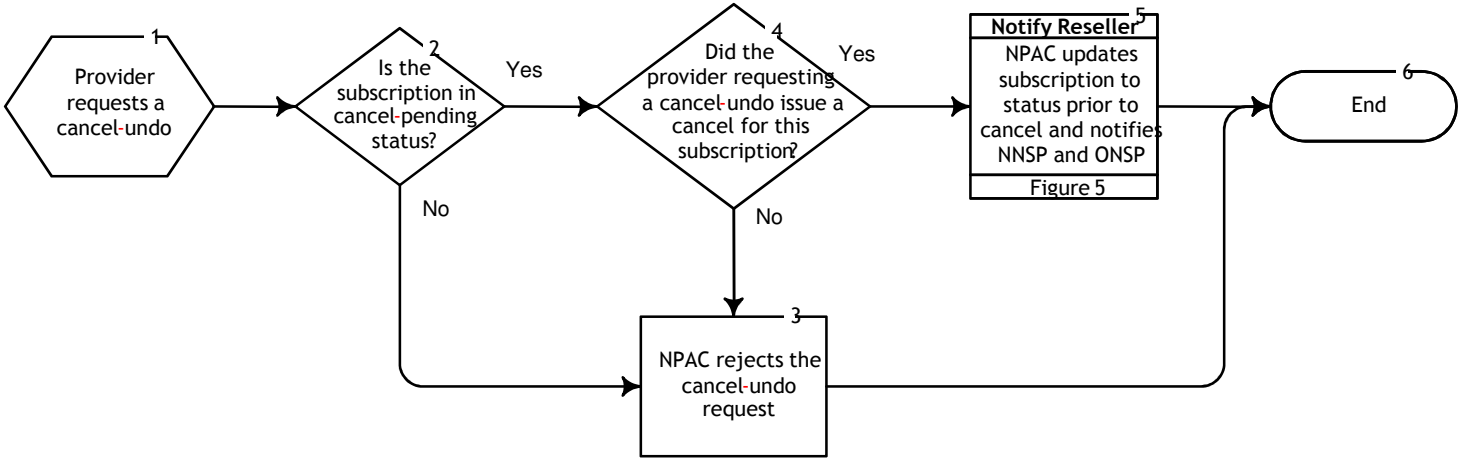


Figure 14

Inter- Service Provider LNP Operations Flows

- Cancel- Undo Process -